

ABSTRACT OF THE DISCLOSURE

Disclosed is a method for producing polymer/silicate nanocomposites via emulsion polymerization, which comprises the
5 steps of:

(a) forming initial particles from a layered silicate and a monomer provided for high molecular weight polymerization using a reactive emulsifying agent containing a functional group having affinity for the layered silicate; and
(b) emulsion polymerizing the initial particles from the step
(a) and a monomer additionally provided using a stabilizer to form exfoliated polymer/silicate nanocomposites.

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